

## VIP-7-12 Valve regulated Sealed Lead-Acid Battery



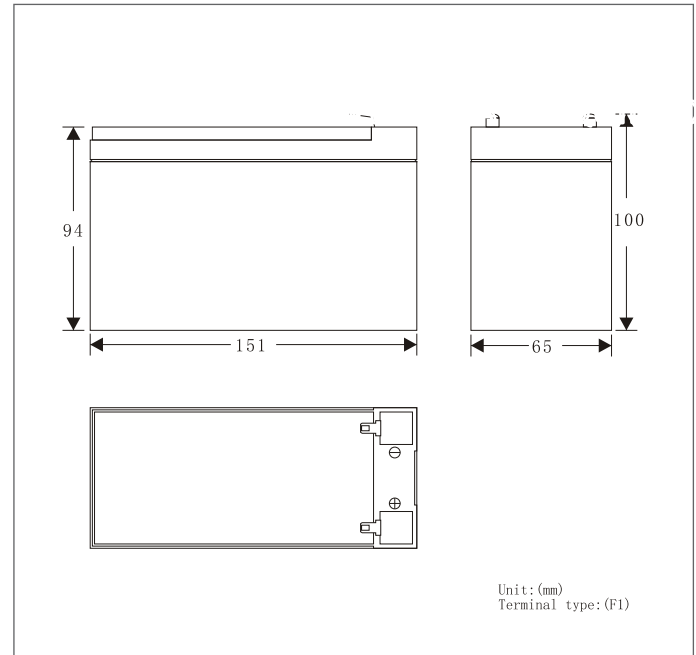
### Specifications

|                                |                               |         |
|--------------------------------|-------------------------------|---------|
| Nominal Voltage                |                               | 12 V    |
| Rated Capacity (20 hours Rate) |                               | 7.0 Ah  |
| Dimension                      | Total Height (with Terminals) | 100 mm  |
|                                | Length                        | 151 mm  |
|                                | Width                         | 65 mm   |
|                                | Height                        | 94 mm   |
| Weight aprox.                  |                               | 2.13 kg |

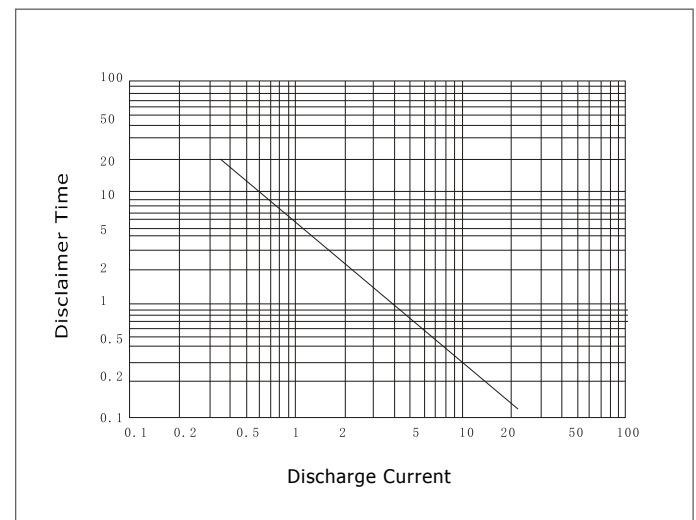
### Characteristics

|  |                                     |   |        |
|--|-------------------------------------|---|--------|
| Capacity (25°)                                   |                                     | 20 hrs rate (0.35A)   | 7.0 Ah |
| Discharge Current Testing (25°)                  | 201 <sub>20</sub> Rate (7A, 27 min) |   | 27 min |
|  | 601 <sub>20</sub> Rate (21A, 7 min) |   | 7 min  |
| Internal Resistance                              |                                     | Full charged Battery 25°C   | 25 mΩ  |
| Capacity affected by Temperature (20 hours rate) |                                     | 40°C  | 102%   |
|  |                                     | 25°C  | 100%   |
|  |                                     | 0°  | 85%    |
|  |                                     | -15°C   | 62%    |
| Residual Capacity (25°)                          |                                     | Capacity after 3 months storage   | 61%    |
|  |                                     | Capacity after 6 months storage   | 82%    |
|  |                                     | Capacity after 12 months storage  | 64%    |
| Cycle (Above 300 times)                          |                                     | Discharge 2 hrs at 1.75 A current<br>Charge 6 hrs at 0.7 A current (25°C) |        |
| Charge (Constant Voltage)                        | Cycle (25°)                         | Initial charging current less than 2.1 A<br>Voltage 14.5~14.9V            |        |
|  | Float (25°)                         | charge Voltage 1.6~13.8V  |        |

\*The above are average and data obtained from the first 3 charge/discharge cycles. These are not minimum values.



### Discharge Current & Duration Time



### Discharge Curves 25°C

